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Dated: August 27, 2004

Signature:

(Anthony G. Sitko)

Docket No.: 29888/39521  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Alireza K. Ziarani

Application No.: 10/698,801

Filed: October 31, 2003

Art Unit: 2857

For: SYSTEM AND METHOD OF EXTRACTION  
OF NONSTATIONARY SINUSOIDS

Examiner: Not Yet Assigned

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO/SB/08a/b. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 C.F.R. §1.97(b)(3)). Thus, no fee is required. It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. §1.98 and the Examiner is respectfully requested to consider the listed references.

A copy of each foreign and non-patent reference on the Form PTO/SB/08a/b is attached. Copies of the U.S. patent documents are not attached since this application was filed after June 30, 2003.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855 under order no. 29888/39521. A duplicate copy of this paper is enclosed.

Dated: August 27, 2004

Respectfully submitted,

By 

Anthony G. Sitko

Registration No.: 36,278

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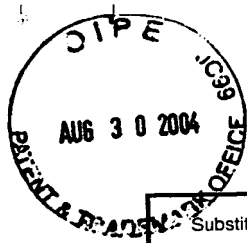
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PTO/SB/08a/b (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/698,801
				Filing Date	October 31, 2003
				First Named Inventor	Alireza K. Ziarani
				Art Unit	2857
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	29888/39521

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,197,524-A1	04-08-1980	Salem	
	A2	6,602,202-B2	08-05-2003	John et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	EP 0 803 623-A1	10-29-1997	Hülsbeck & Fürst GmbH & Co.		
	B2	WO 9 839 539-A1	09-11-1998	Goldman		
	B3	CA 2 300 021-A1	09-05-2000	LaRoche		
	B4	WO 0 159 238-A2	08-16-2001	Goldman		
	B5	CA 2 346 243-A1	11-04-2002	Karimi Ziarani		
	B6	CA 2 349 041-A1	11-28-2002	Karimi Ziarani		
	B7	WO 02/097656-A2	12-05-2002	Karimi Ziarani		
	B8	CA 2 359 445-A1	04-03-2003	Karimi Ziarani		
	B9	CA 2 385 343-A1	11-22-2003	Karimi Ziarani et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					T <sup>2</sup>
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C1	KARIMI-GHARTEMANI, ET AL. "Stability of a Nonlinear Adaptive System for Filtering and Parameter Estimation" 2002 MTNS Problem Book Open Problems on the Mathematical Theory of Systems, pp. 53-55, August 12-16, 2002.			
	C2	KARIMI-GHARTEMANI, ET AL. "Periodic Orbit Analysis of Two Dynamical Systems for Electrical Engineering Applications" <i>Journal of Engineering Mathematics</i> 45: 135-154, 2003.			
	C3	KARIMI-GHARTEMANI, ET AL. "Performance Characterization of a Non-linear System as Both an Adaptive Notch Filter and a Phase-locked Loop" <i>International Journal of Adaptive Control and Signal Processing</i> 18:23-53, January 5, 2004.			
	C4	ZIARIANI, ET AL. "SNR Improvement of Emat Signals Using Adaptive Filtering" 10th International Symposium on Electromagnetic Fields in Electrical Engineering, Cracow, Poland, September 20-22, 2001.			
	C5	ZIARIANI, ET AL. "Preliminary Results on Interface Elimination from Lightning Recordings," <i>International Workshop on Electromagnetic Radiation from Lightning to Tall Structures</i> , pp. 1-2, 2001.			
	C6	ZIARIANI, ET AL. "A Method of Elimination of Interferences of Quasi-periodic Nature," <i>MWSCAS-2001</i> Vol. 1 of 2, pp. 363 - 366.			
	C7	ZIARIANI, ET AL. "Galerkin's Method and the Variational Procedure," <i>IEEE Transactions on Magnetics</i> , Vol. 38, No. 1, pp. 190-199, January, 2002.			

Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
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				Art Unit	2857
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	29888/39521

	C8	ZIARIANI, ET AL. "A Nonlinear Adaptive Method of Elimination of Power Line Interference in ECG Signals", <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 49, No. 6, pp. 540-547, June, 2002.	
	C9	ZIARIANI, ET AL. "Adaptive Signal Quality Enhancement of Emat Signals," <i>Electromagnetic Fields in Electrical Engineering</i> , IOS Press, pp 543 - 548, 2002.	
	C10	ZIARIANI, ET AL. "A Nonlinear Method of Frequency Estimation in Noise," <i>MWSCAS-2002 Vol. III of III</i> , pp. I-316 - I-319.	
	C11	ZIARIANI, ET AL. "Experimental Verification of a Novel Method of Extraction of Nonstationary Sinusoids," <i>MWSCAS-2002 Vol. I of III</i> , pp. I-455 - I-458.	
	C12	ZIARIANI, ET AL. "A Novel Time-Domain Method of Analysis of Pulsed Sine Wave Signal," <i>IEEE Transactions on Instrumentation and Measurement</i> , Vol. 52, No. 3, pp. 809-814, June, 2003.	
Not Enclosed	C13	ZIARIANI, ET AL. "A Method of Extraction of Nonstationary Sinusoids", pp. 1-44, March 28, 2004 (draft publication).	
	C14	ZIARIANI, ET AL. "A Novel Method of Estimation of DPOAE Signals," <i>IEEE Transactions on Biomedical Engineering</i> , Vo. 51, No. 5, pp. 864-868, May, 2004.	
	C15	ZIARIANI, ET AL. "An Adaptive Noise Reduction Technique," <i>IEEE 2001</i> , pp. 251-254	
	C16	KARIMI-GHARTEMANI ET AL. "A Nonlinear Time-Frequency Analysis Method," <i>IEEE Transactions on Signal Processing</i> , Vol. 52, No. 6, June 2004.	
	C17	International Search Report, PCT/CA02/00069, April 9, 2002	

Examiner Signature		Date Considered	
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